

Unclassified

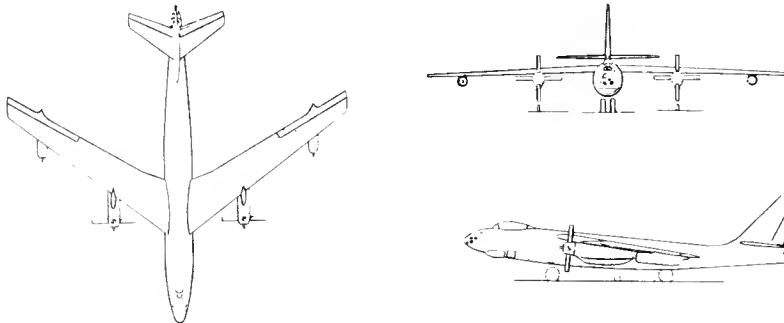
SECRET

A-1
(X) B-47D/clear
(Security Information)

EXPERIMENTAL

Characteristics Summary

BOMBER XB-47D



BOEING

Wing area..... 1428 sq ft Length 106.8 ft
Wing Span..... 116.0 ft Height 27.9 ft

AVAILABILITY			PROCUREMENT					
Number available			Number to be delivered in fiscal years					
ACTIVE	RESERVE	TOTAL						

STATUS

- 1. Design Initiated: Feb 51
- 2. Contract Approval: Apr 51
- 3. Mock-up: Jan 52
- 4. First Flight: Aug 53 (est)
- 5. First Acceptance: Feb 54 (est)
- 6. Phase II contract for one prototype only.
- 7. XB-47D developed from B-47B

Navy Equivalent: None

Mfr's Model:

POWER PLANT	
(2) YT49-W-1	
Wright	
ENGINE RATINGS	
S.L.S. SHP - LB - RPM - MIN	
T.O. 9000 - 3450-8000-5	
Mil: 9000 - 3450-8000- 30	
Nor: 8250 - 3000-7700 -Cont	
plus	
(2) J47-GE-23	
General Electric	
S.L.S. LB - RPM - MIN	
Max: *6090 - 7950 - 5	
Mil: *5850 - 7800 - 30	
Nor: *5590 - 7630 - Cont	
* No inlet screens	

FEATURES	
Crew:	3
Cabin Pressurization	
Bicycle Landing Gear	
Reverse Thrust Props	
Anti-skid Brakes	
Emergency Brakes Parachute	
Thermal Anti-icing	
Bombing & Navigation Radar	
Single Point Ground and	
Air to Air Refueling	
Max Fuel Cap: 17,325 gal	

ARMAMENT	
Turrets:	1
Guns:	2 x 20mm
Ammunition(total)	600 rds
Max Bomb Load:	1x22,000lb
Max Bomb Size:	22,000 lb
Note: Airplane is to be delivered as a test bed with no tactical equipment. Performance data shown is based on the airplane with tactical equipment installed.	

Classification cancelled

Classification: 10 Unclassified

6 NOVEMBER 1952

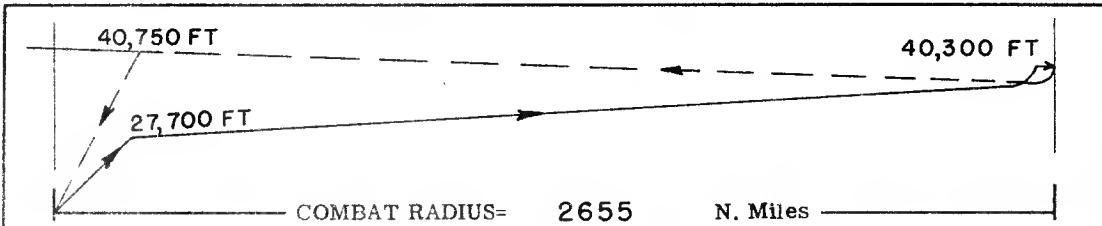
SECRET

XB-47D

3rd Ed

13 March 53

53 MC 72000

Characteristics Summary Basic Mission · · · · XB-47D

P E R F O R M A N C E		
C O M B A T R A D I U S	C O M B A T R A N G E	C O M B A T S P E E D
2655 naut. mi with 10,000lb payload at 380 knots avg. in 14.15 hours.	5155 naut. mi with 10,000 lb payload at 380 knots avg. in 13.65 hours.	479 knots at 35,000 ft alt, max power
MAXIMUM SPEED		
		522 knots at 12,000 ft alt, max power
C L I M B	C E I L I N G	T A K E - O F F
3300 fpm sea level, take-off weight maximum power	35,600 ft 100 fpm, take-off weight maximum power	ground run 4950 ft no assist — ft assisted
5350 fpm sea level, combat weight maximum power	41,300 ft 500 fpm, combat weight maximum power	over 50 ft height 6250 ft no assist — ft assisted
L O A D	W E I G H T S	S T A L L I N G S P E E D
Bombs: 10,000 lb	Empty..... 81,990 lb	140 knots flaps down, take-off weight
Fuel: 13,019 gal protected 100 % droppable 0 % external 0 %	Combat... 123,200 lb Take - off 180,000 lb limited by strength	TIME TO CLIMB —

N O T E S

1. PERFORMANCE BASIS:

- (a) Estimated data (not substantiated by VADC)
- (b) J47-GE-23 engines inoperative during cruise
- (c) Performance as shown is for XB-47D after installation of tactical equipment

2. REVISION BASIS: Initial Issue (Based on MIL-C-5011)

XB-47D

S E C R E T

Ohio 45633 NOVEMBER 1952

Property of the Air Force Museum
Ft. Meade, Md.
Property of the Air Force
Museum
Wright-Patterson Air Force Base